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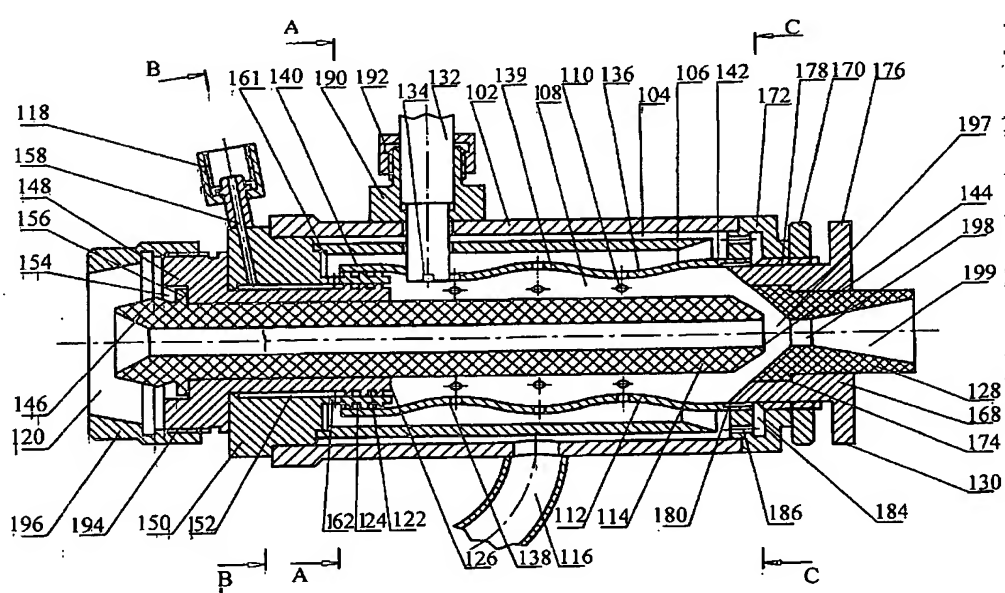
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[Continued on next page]

(54) Title: ABRASIVE BLASTING DEVICE



(57) Abstract: The device provides for both "cold" and "hot" processing. It comprises a nozzle gun, an abrasive vessel, a batcher, an ejection-type mixer, a fuel tank, a receiver. The nozzle gun comprises a combustion chamber (108), a tubular element (114) for air/abrasive mixture feeding, a nozzle (128), swirlers of the fuel blend (122) and of gaseous oxidant (124). The combustion chamber (108) at its perforated wall area (110) is embodied with variable cross-section. The batcher comprises a means for independent regulation of the seat position with respect to the position of the slide-valve rod, a means for abrasive loosening and blow purging.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

B24C 3/00, 5/00, 7/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

B24C 3/00-3/06, 5/00-5/04, 7/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	RU 2167756 C2 (KOSTRITSA VLADIMIR NIKOLAEVICH et al) 27.05.2001, claims	1-11
A	WO 99/39874 A1 (ALFRED KARCHER GMBH & CO.) 12 August 1999 (12.08.1999), claims	12-17
A	US 5607342 A (DEMETON USA, INC.) Mar. 4, 1997, claims	12-17
A	EP 0950469 A2 (RICKLING, KJELL) 20.11.1999, claims	18-21
A	US 5947800 A (EMPIRE ABRASIVE EQUIPMENT COMPANY) Sep. 7, 1999, claims	18-21

☐ Further documents are listed in the continuation of Box C.☐ See patent family annex.

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"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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